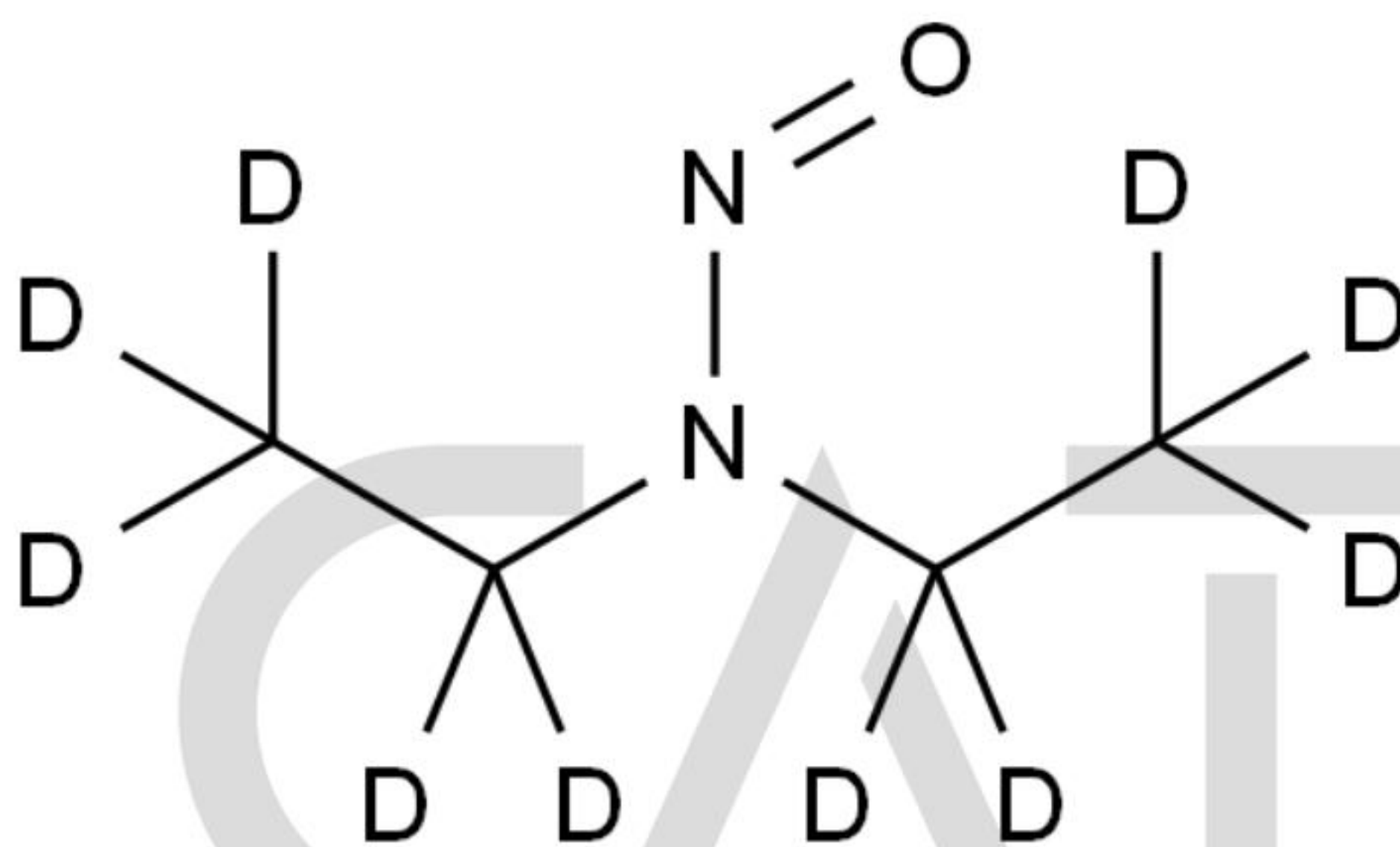


Certificate of Analysis

Reference Material & Standard

Product Name:	N-Nitrosodiethylamine-d10	Catalogue Number:	CCHM701644
Synonyms:	N/A	Lot Number:	0413-RH-0030
CAS Number:	1219794-54-3	Expiry Date:	Apr 13, 2030
Molecular Formula:	C ₄ D ₁₀ N ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	112.20	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Oil
Identification	LCMS&CNMR	Confirmed
Chemical Purity	HPLC	99.55%
Isotopic Purity		99.66%, D10: 96.72%; D9: 3.16%; D8: 0.12%
Water Content	Karl Fischer	0.8987%
Assay		98.7%
Uncertainty		±0.2%

Comment:

1. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity HPLC (\%)} / 100\%$$

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Apr 14, 2026

Date: Apr 15, 2026

Date: Apr 15, 2026

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